



smartsewer

INNOVATION & INFRASTRUCTURE TO LAST A LIFETIME

QAQC REVIEW FORM

Project Name: Green Infrastructure Mnt Program	Document Type: Bid Recommendation
Project Number: 60820062	Contract Number: 9903, 9904, 9905, 9906, 9907
Project Manager: Sarah Lothman	Contract Administrator: Jamie Driskell

Review Schedule

This final version of this document is needed no later than the following date:

ASAP

The First Line Review is to be completed no later than the following date:

ASAP

Smart Sewer Program Approval for Issuance needed no later than the following date:

ASAP

Project Manager

Signature

4/30/24

Date

Smart Sewer Design/Construction Manager

Signature

5/9/2024

Date

KC Smart Sewer Program Manager

Signature

7/1/2024

Date



MEMORANDUM

DATE: July 1, 2024

TO: Kelly Postlewait, Interim Director

CC: Andy Shively, P.E., Deputy Director

FROM: Sarah Lothman, P.E., Smart Sewer Project Manager

SUBJECT: Facility Repair & Maintenance Contract recommendation for Green Infrastructure Maintenance Program Project No. 60820062, Contract No. 9903, 9904, 9905, 9906, 9907

On September 21, 2023, KC Water advertised a request for proposals from local small business landscape contractors to become prequalified for the maintenance of green infrastructure of existing sites constructed by KC Water. Work will result in continuous and ongoing maintenance to achieve required aesthetics and function of the green infrastructure sites. A mandatory pre-proposal meeting was held on September 28, 2023. Proposals were received on October 24, 2023.

Project Description:

The work under this contract consists of landscape and surface maintenance of existing green stormwater infrastructure sites. The Green Infrastructure Maintenance Program will maintain the function and aesthetic of green infrastructure sites across the City. In order to be successful long-term, green infrastructure sites require continuous and ongoing maintenance throughout the year to meet performance expectations related to their general appearance, vegetative health, infiltration, and stormwater drainage functions. Each green infrastructure site has unique maintenance needs influenced by the individual site layout and configuration, surrounding area, and weather conditions. Contractors are required to perform regular maintenance activities to continuously meet the Services Levels of Performance Standards defined in the scope of work. Maintenance of the sites is key to meeting performance objectives to continue to capture, store, and infiltrate stormwater while providing an amenity for the community. Maintenance activities and needs will vary by green infrastructure practice and individual green infrastructure components that comprise it on a seasonal basis. Regular maintenance activities may include but not be limited to the following tasks:

1. Remove sediment, debris, trash, and blockages
2. Replace settled or excavated materials, repair erosion/damage
3. Apply pre-emergen herbicide
4. Remove weeds
5. Manage disease and pests
6. Maintain clean landscape edges, prune plants
7. Mow turf grass areas
8. Water vegetated areas

9. Refresh mulch
10. Wooded area selective vegetation removal

Proposals Received from the Following Firms:

1. Common Nature
2. DuPree Landscaping & Lawn Care LLC
3. Eyedeal Lawn Care Solutions
4. Lotus Lawncare & Services LLC
5. Snoop's Lawn Mowing LLC

Selection Type and Committee Members:

1. Selection Type: N/A – Prequalifications of contractors by KC Water
2. Selection Method: N/A – eligibility based on contractor's qualifications and acceptance of work unit prices established by KC Water.
 - a. KC Water Smart Sewer Program evaluated contractor proposal documents, qualifications, and work unit price information received from the five contractors.

Work Unit Pricing

All shortlisted contractors were requested to provide preliminary work unit price information for maintenance tasks of nine green infrastructure sites. KC Water Smart Sewer Program team had follow-up meetings with each proposer to review preliminary work unit price information, standardize assumptions, understand the intended execution process and approach, and discuss any pricing outliers. The KC Water Smart Sewer Program established the preliminary unit pricing for each green infrastructure maintenance activity for eight green infrastructure sites that will be contracted for maintenance in the first year of the Green Maintenance Program (2024) as shown in the attached Schedule of Values and Exhibit B.1-Green Stormwater Infrastructure Site Locations & Practices. Four of these eight green infrastructure sites were added by the KC Water Smart Sewer Program to this green maintenance program after giving consideration to the unit price information submitted by the short-listed contractors for nine other green infrastructure sites. The number and location of green infrastructure sites is subject to change from year to year depending on the City's maintenance needs and available resources.

Landscape Contractors Selection:

1. Common Nature
2. DuPree Landscaping & Lawn Care LLC
3. Lotus Lawncare & Services LLC
4. Snoop's Lawn Mowing LLC

*Eyedeal Lawn Care Solutions is pre-qualified but will be awarded a contract in year 2 of the program.

MBE/WBE Utilization and CREO KC Approval:

KC Water will use a programmatic approach to achieve the M/WBE goals established for the Green Infrastructure Maintenance Program whereby KC Water will be responsible for contracting the maintenance of specific green infrastructure sites directly with prequalified M/WBE contractors. At the commencement of this program in 2024, the M/WBE goals for this program are suggested at be 23% MBE and 0% WBE based on the number of prequalified M/WBE contractors in the program for the first year.

M/WBE goals for this program will be reviewed jointly by CREO and KC Water leadership on an annual basis and adjusted as needed based on the actual number of prequalified M/WBE firms participating in the Green Maintenance Program.

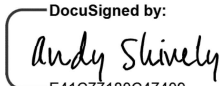
Experience Reference Form

All selected contractors submitted the required Experience Reference Forms for similar projects, which were completed within the last 5 years. Past project references appear to be in good standing.

Negotiated Fee: \$1,100,000.00. This amount covers the 1st year, with 4 additional 1-year renewals for a maximum authorization of \$5,500,000.00.

Funding Source: 25-8110-801320-616140-60820062

Permission is requested to proceed with Ordinance authorization for Contract No's. 9903, 9904, 9905, 9906, 9907 for the Green Maintenance Program.

Approved:  DocuSigned by:
E41C77180C47409
Andy Shively, P.E., Deputy Director
Water Services Department

Approved:  DocuSigned by:
E7B97250C8CC447
Kelly Postlewait, Interim Director
Water Services Department

Attachment:

1. Approved Green Maintenance Program Year 1 Schedule of Values
2. Exhibit B.1 Year 1 Green Infrastructure Site Figures

CITY OF HUNTAINS
HEART OF THE NATION



SCHEDULE OF VALUES

Project Number 60820062

Project Title Green Maintenance Program

KANSAS CITY
MISSOURI

Project Number 60820062

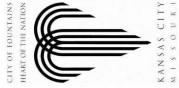
Project Title Green Maintenance Program

A		B	C	D	E		F	G	H	I	J	K	L	CREO APPROVED CUP			R																				
UNIT	ITEM	UNIT	ESTIMATED QUANTITY	DESCRIPTION OF WORK UNIT ITEM DESCRIPTION	\$ UNIT PRICE	NO. OF UNITS	\$ TOTAL OR LUMP SUM			\$ COMPLETED WORK	\$ STORED MATERIAL	\$ J+K	% J/H	M	N	O	P	Q	\$ AMOUNT THIS APPLICATION L-R																		
																			\$0.00	\$0.00	\$0.00																
																			\$0.00	\$0.00	\$0.00																

Project Number 60820062

Project Title Green Maintenance Program

01290.02 Schedule of Values 050113



SCHEDULE OF VALUES

Project Number 60820062

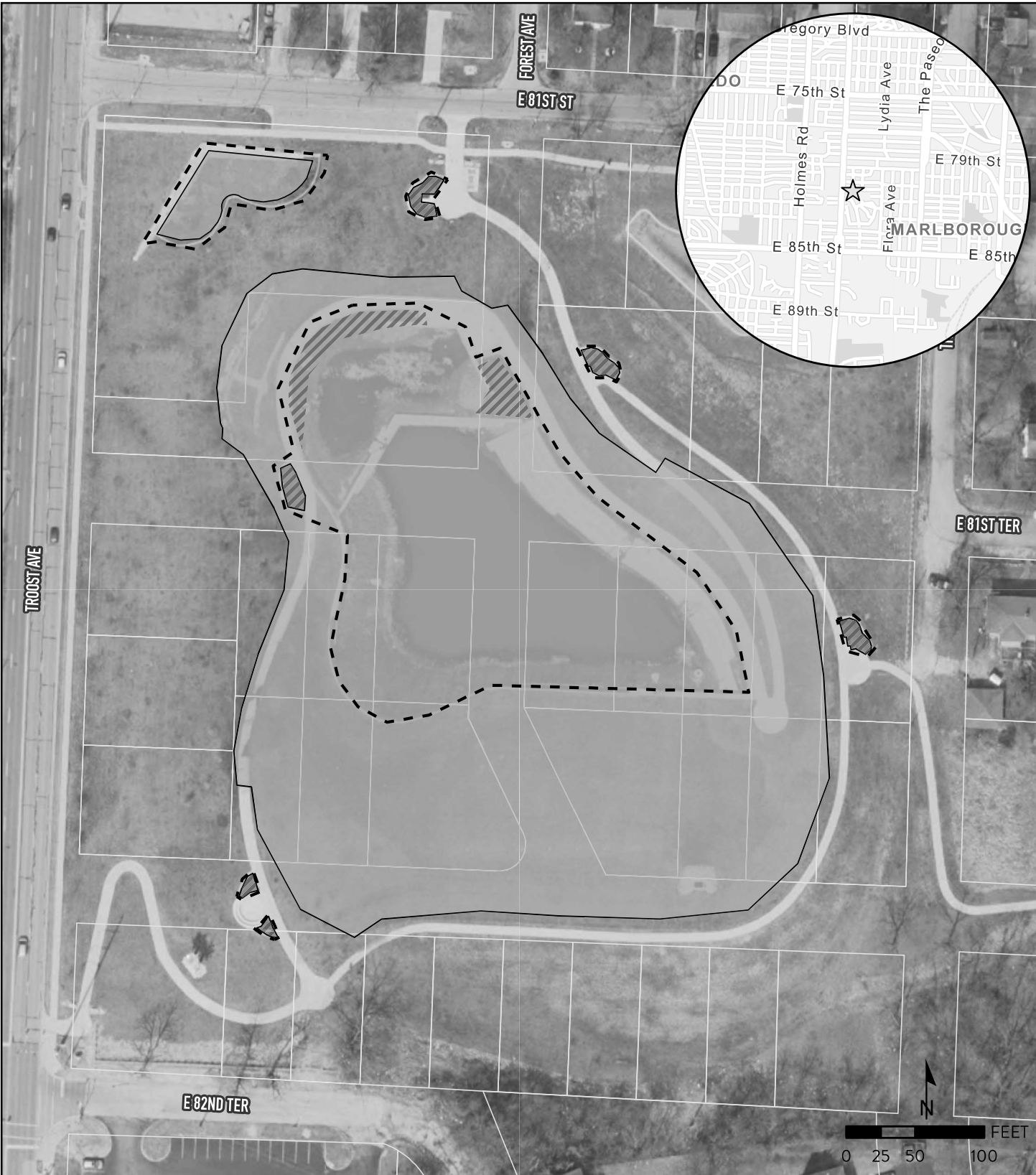
Project Title Green Maintenance Program

CREO APPROVED CUP																			
MBE			WBE			DBE													
\$0.00			\$0.00			\$0.00													
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R		
UNIT ITEM NO.	UNIT	ESTIMATED QUANTITY	DESCRIPTION OF WORK UNIT ITEM DESCRIPTION	\$ UNIT PRICE	NO. OF UNITS	\$ TOTAL OR LUMP SUM		\$ COMPLETED WORK	\$ STORED MATERIAL	\$ J+K	% J/H	\$ MBE	\$ WBE	\$ DBE	% AT BOTTO M	\$ TOTAL PREVIOUS APPLICATIONS	\$ AMOUNT THIS APPLICATION L-R		
9 Water Services Admin Building/Swope Campus																			
9a.	Frequency	26	Remove sediment, debris, trash, blockages	\$ 400	26	\$ 10,400													
9b.	Frequency	4	Replace settled or excavated materials, repair erosion/damage	\$ 2,000	4	\$ 8,000													
9c.	Frequency	4	Apply pre-emergent herbicide	\$ 600	4	\$ 2,400													
9d.	Frequency	14	Remove weeds	\$ 600	14	\$ 8,400													
9e.	Frequency	7	Manage disease and pests	\$ 900	7	\$ 6,300													
9f.	Frequency	14	Maintain clean landscape edges, prune plants	\$ 1,200	14	\$ 16,800													
9g.	Frequency	4	Water vegetated areas	\$ 1,000	4	\$ 4,000													
						\$ 56,300													
Water Services Admin Building/Swope Campus Annual																			
10 81st & Lydia & President Gardens																			
10a.	Frequency	26	Remove sediment, debris, trash, blockages	\$ 400	26	\$ 10,400													
10b.	Frequency	4	Replace settled or excavated materials, repair erosion/damage	\$ 1,000	4	\$ 4,000													
10c.	Frequency	4	Apply pre-emergent herbicide	\$ 500	4	\$ 2,000													
10d.	Frequency	14	Remove weeds	\$ 500	14	\$ 7,000													
10e.	Frequency	7	Manage disease and pests	\$ 400	7	\$ 2,800													
10f.	Frequency	14	Maintain clean landscape edges, prune plants	\$ 400	14	\$ 5,600													
10g.	Frequency	20	Mow turf grass areas	\$ 100	20	\$ 2,000													
10h.	Frequency	4	Water vegetated areas	\$ 1,000	4	\$ 4,000													
						\$ 37,800													
81st & Lydia & President Gardens Annual Site Maintenance																			
11 Paseo Medians & Wabash Tree Planters																			
11a.	Frequency	26	Remove sediment, debris, trash, blockages	\$ 400	26	\$ 10,400													
11b.	Frequency	4	Replace settled or excavated materials, repair erosion/damage	\$ 1,200	4	\$ 4,800													
11c.	Frequency	4	Apply pre-emergent herbicide	\$ 950	4	\$ 3,800													
11d.	Frequency	14	Remove weeds	\$ 1,150	14	\$ 16,100													
11e.	Frequency	7	Manage disease and pests	\$ 800	7	\$ 5,600													
11f.	Frequency	14	Maintain clean landscape edges, prune plants	\$ 850	14	\$ 11,900													
11g.	Frequency	4	Water vegetated areas	\$ 800	4	\$ 3,200													
11h.	Frequency	1	Refresh mulch	\$ 6,000	1	\$ 6,000													
						\$ 67,800													
						\$ 893,500													
Paseo Medians & Wabash Tree Planters Annual Site																			
WORK ORDERS FOR ADDITIONAL SERVICES - HOURLY RATES																			
Hourly Rate (must include all overhead expenses)																			
STANDARD RATE																			
6	HR	1	Laborer	\$ 80															
7	HR	1	Equipment Operator	\$ 125															
OVERTIME RATE																			
8	HR	1	Laborer	\$ 120															
9	HR	1	Equipment Operator	\$ 188															
PREMIUM RATE - SATURDAY & SUNDAY																			
10	HR	1	Laborer	\$ 120															
11	HR	1	Equipment Operator	\$ 188															
				ALLOWANCE															
						15%	\$ 135,000												
							\$ 1,028,500												

EXHIBIT B.1

GREEN STORMWATER INFRASTRUCTURE SITE LOCATIONS & PRACTICES

1. Target Green Marlborough 81st & Troost
2. Target Green Marlborough Rachel Morado
3. Target Green Marlborough Arleta Park
4. Target Green Marlborough 74th Street
5. Central Industrial District (CID)/West Bottoms
6. Northeast Industrial District (NEID)
7. Linwood Green Park
8. KCATA Trolley Trail (Outfall 066/067)
9. Water Services Admin Building/Swope Campus
10. Target Green Marlborough 81st & Lydia
11. Target Green Marlborough Paseo Medians
12. Target Green Marlborough President Gardens Detention
13. Target Green Marlborough Wabash Tree Planters



**TARGET GREEN
MARLBOROUGH 81ST
& TROOST**

LEGEND

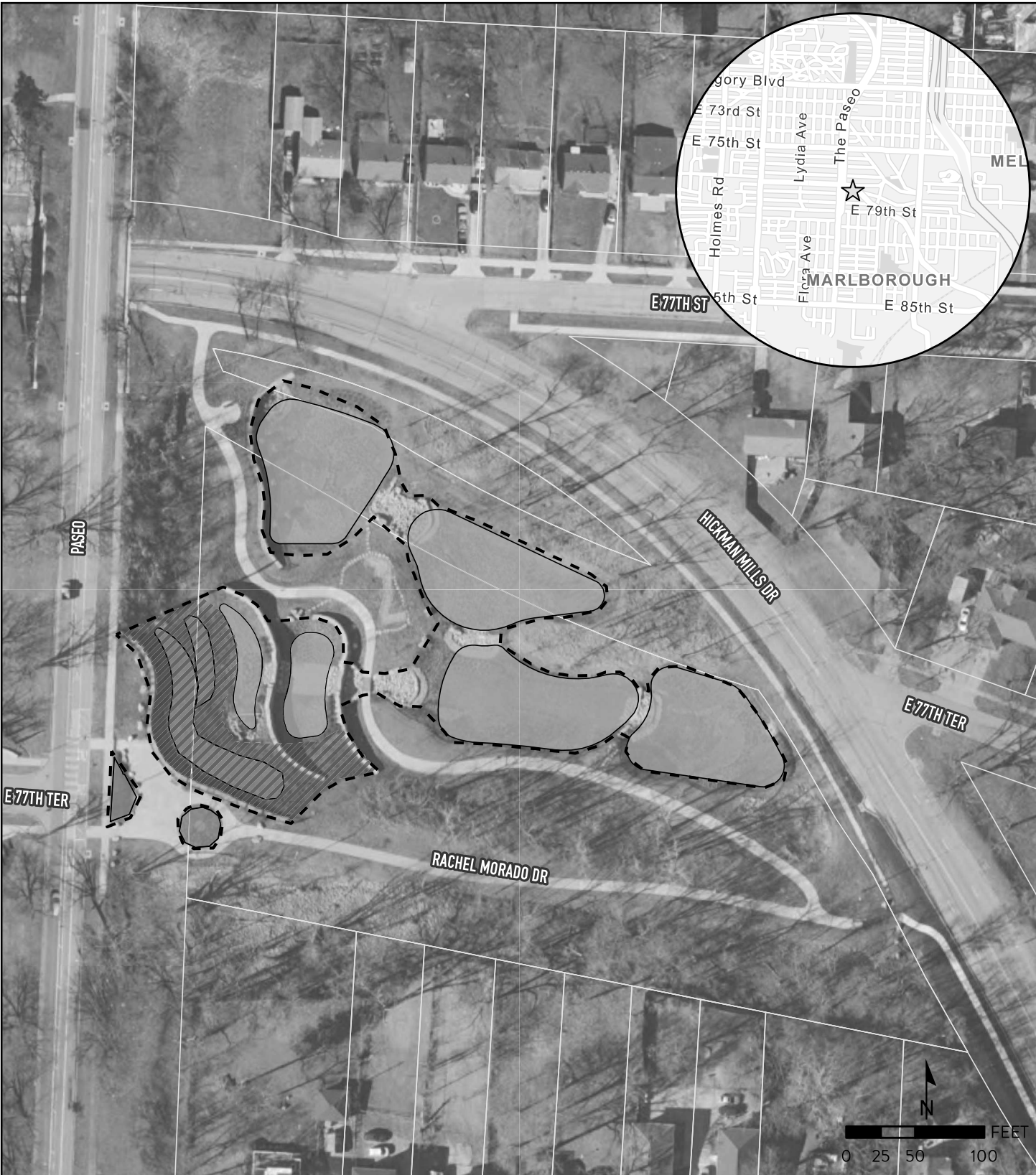
- GSI Maintenance Extent
- Mulch Area
- Bioretention
- Extended Detention Wetland
- Traditional Landscape Bed

*No mowing

GSI COMPONENTS

- GSI-1 Inlets
- GSI-2 Energy Dissipation & Pollutant Removal
- GSI-3 Above Grade Barriers
- GSI-5 Soil & Aggregate Media
- GSI-6 Media Liners
- GSI-7 Landscaping
- GSI-8 Piping
- GSI-9 Outlets





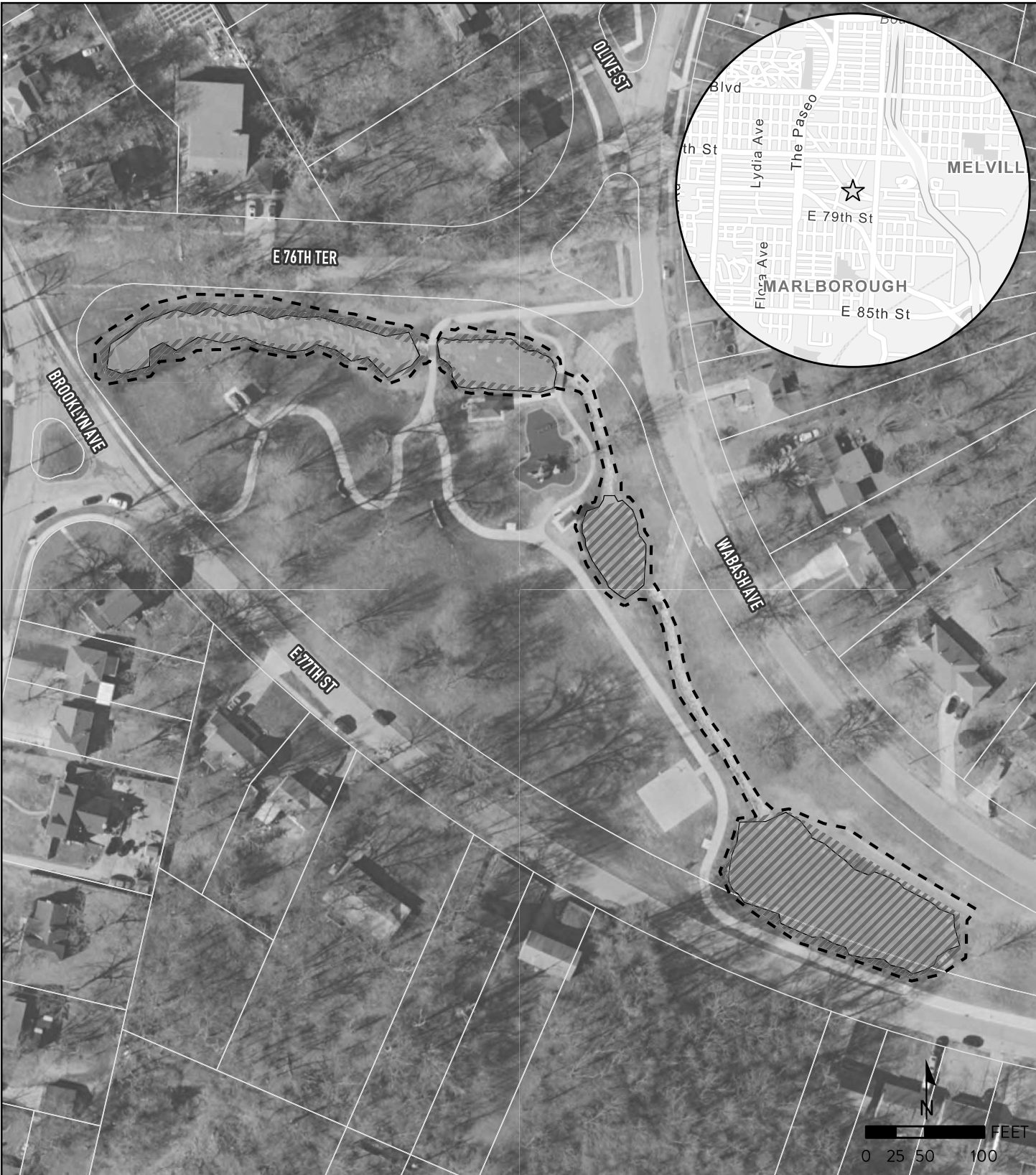
**TARGET GREEN
MARLBOROUGH
RACHEL MORADO**

- LEGEND**
- GSI Maintenance Extent
 - Mulch Area
 - Bioretention
 - Traditional Landscape Bed

*No mowing

- GSI COMPONENTS**
- GSI-1 Inlets
 - GSI-2 Energy Dissipation & Pollutant Removal
 - GSI-3 Above Grade Barriers
 - GSI-5 Soil & Aggregate Media
 - GSI-6 Media Liners
 - GSI-7 Landscaping
 - GSI-8 Piping
 - GSI-9 Outlets





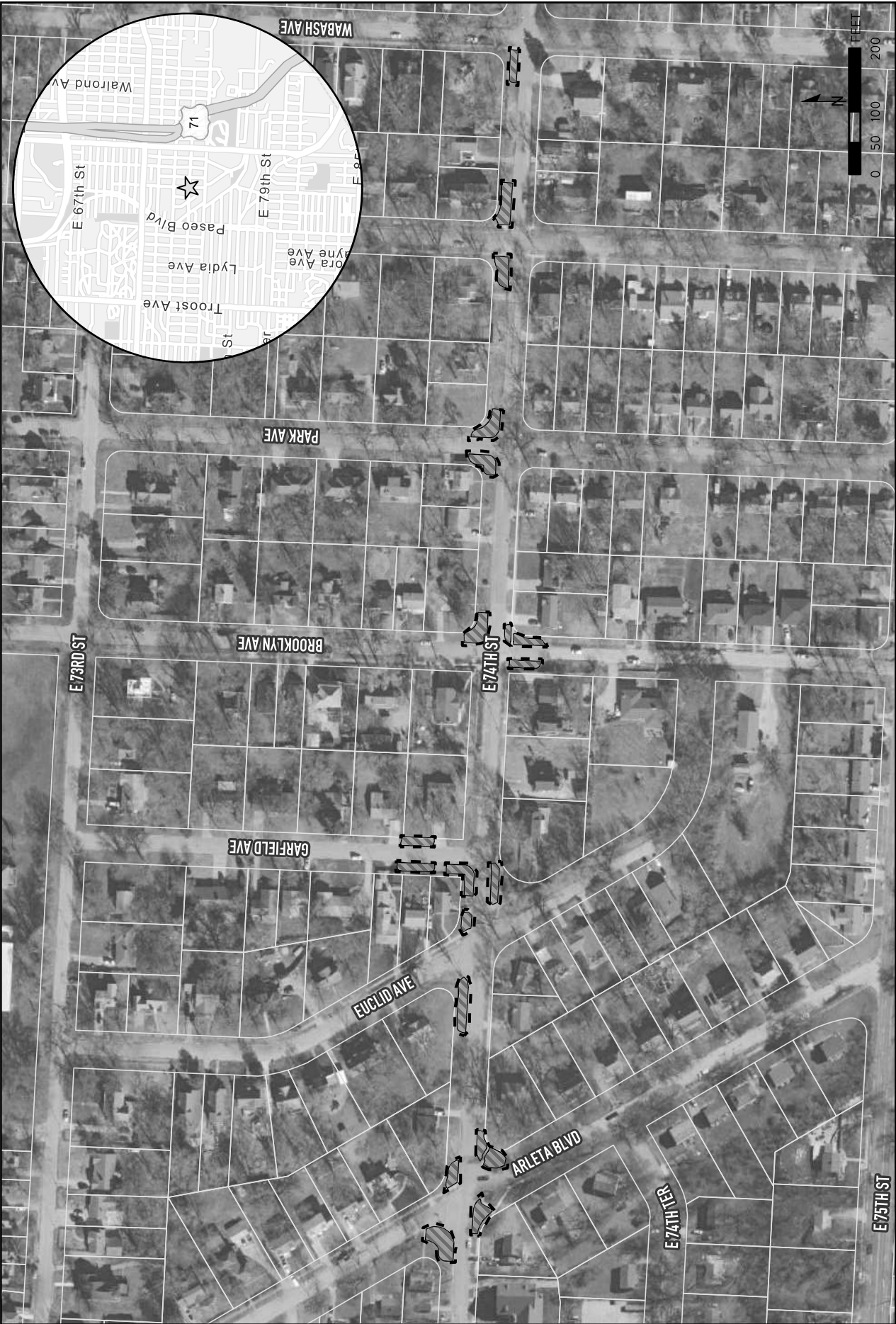
**TARGET GREEN
MARLBOROUGH
ARLETA PARK**

- LEGEND**
- GSI Maintenance Extent
 - Mulch Area
 - Bioretention

*No mowing

- GSI COMPONENTS**
- GSI-1 Inlets
 - GSI-2 Energy Dissipation & Pollutant Removal
 - GSI-3 Above Grade Barriers
 - GSI-5 Soil & Aggregate Media
 - GSI-6 Media Liners
 - GSI-7 Landscaping
 - GSI-8 Piping
 - GSI-9 Outlets





TARGET GREEN MARLBOROUGH 74TH STREET

- LEGEND**
- GSI Maintenance Extent
 - Mulch Area
 - Bioretention

GSI COMPONENTS

- GSI-1 Inlets
- GSI-2 Energy Dissipation & Pollutant Removal
- GSI-3 Above Grade Barriers
- GSI-5 Soil & Aggregate Media
- GSI-6 Media Liners
- GSI-7 Landscaping
- GSI-8 Piping
- GSI-9 Outlets



*No mowing



**CENTRAL
INDUSTRIAL
DISTRICT (CID) /
WEST BOTTOMS 670**

LEGEND

- GSI Maintenance Extent
- Bioretention
- Traditional Landscape Bed

*No mulch
*Permeable paver area includes trash & removal only

GSI COMPONENTS

- GSI-1 Inlets
- GSI-2 Energy Dissipation & Pollutant Removal
- GSI-3 Above Grade Barriers
- GSI-5 Soil & Aggregate Media
- GSI-6 Media Liners
- GSI-7 Landscaping
- GSI-8 Piping
- GSI-9 Outlets
- GSI-10 Storage Chambers





**CENTRAL
INDUSTRIAL
DISTRICT (CID) /
WEST BOTTOMS I70**

- LEGEND**
- GSI Maintenance Extent
 - Cistern
 - Traditional Landscape Bed
 - Infiltration Trench

*No mulch

GSI COMPONENTS

- GSI-1 Inlets
- GSI-2 Energy Dissipation & Pollutant Removal
- GSI-3 Above Grade Barriers
- GSI-5 Soil & Aggregate Media
- GSI-6 Media Liners
- GSI-7 Landscaping
- GSI-8 Piping
- GSI-9 Outlets
- GSI-10 Storage Chambers





**NORTHEAST
INDUSTRIAL
DISTRICT (NEID)**

- LEGEND**
- GSI Maintenance Extent
 - Mulch Area
 - Bioretention
 - Extended Detention Wetland
 - Traditional Landscape Bed

- GSI COMPONENTS**
- GSI-1 Inlets
 - GSI-2 Energy Dissipation & Pollutant Removal
 - GSI-3 Above Grade Barriers
 - GSI-5 Soil & Aggregate Media
 - GSI-6 Media Liners
 - GSI-7 Landscaping
 - GSI-8 Piping
 - GSI-9 Outlets
 - GSI-10 Storage Chambers





**VETERAN AFFAIRS
MEDICAL CENTER &
LINWOOD GREEN
PARK**

- LEGEND**
- GSI Maintenance Extent
 - Mulch Area
 - Bioretention
 - Traditional Landscape Bed

*No mowing

GSI COMPONENTS

- GSI-1 Inlets
- GSI-2 Energy Dissipation & Pollutant Removal
- GSI-3 Above Grade Barriers
- GSI-5 Soil & Aggregate Media
- GSI-6 Media Liners
- GSI-7 Landscaping
- GSI-8 Piping
- GSI-9 Outlets





**KCATA TROLLEY
TRAIL (OUTFALL
066/067)**

LEGEND

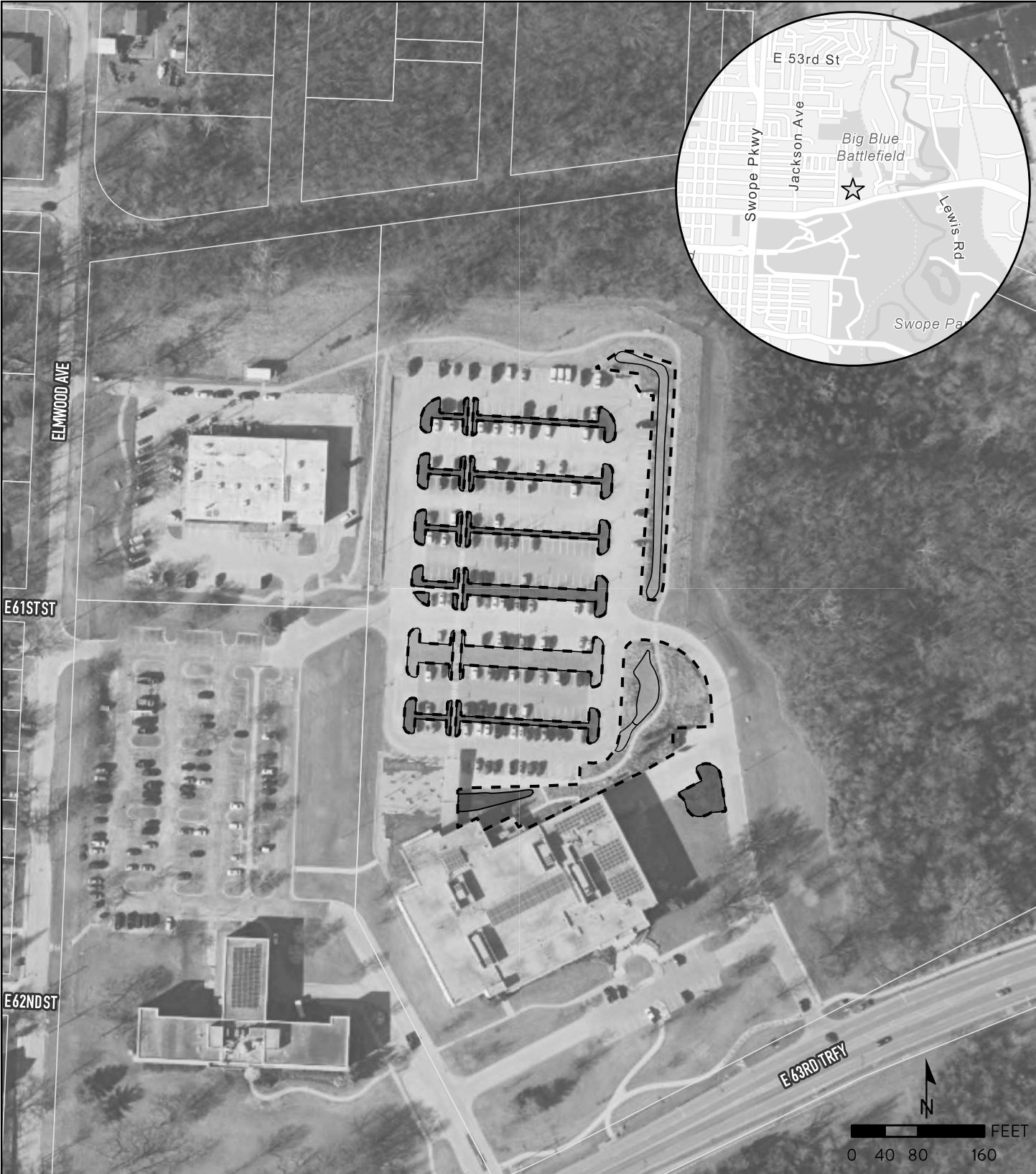
- GSI Maintenance Extent
- Bioretention

*No mowing
*No mulch

GSI COMPONENTS

- GSI-1 Inlets
- GSI-2 Energy Dissipation & Pollutant Removal
- GSI-3 Above Grade Barriers
- GSI-5 Soil & Aggregate Media
- GSI-6 Media Liners
- GSI-7 Landscaping
- GSI-8 Piping
- GSI-9 Outlets





**WATER SERVICES
ADMIN BUILDING/
SWOPE CAMPUS**

- LEGEND**
- GSI Maintenance Extent
 - Bioretention
 - Non-Structural Native Vegetation
 - Swale
 - Rain Garden
 - *No mowing
 - *No mulch

- GSI COMPONENTS**
- GSI-1 Inlets
 - GSI-2 Energy Dissipation & Pollutant Removal
 - GSI-3 Above Grade Barriers
 - GSI-5 Soil & Aggregate Media
 - GSI-6 Media Liners
 - GSI-7 Landscaping
 - GSI-8 Piping
 - GSI-9 Outlets





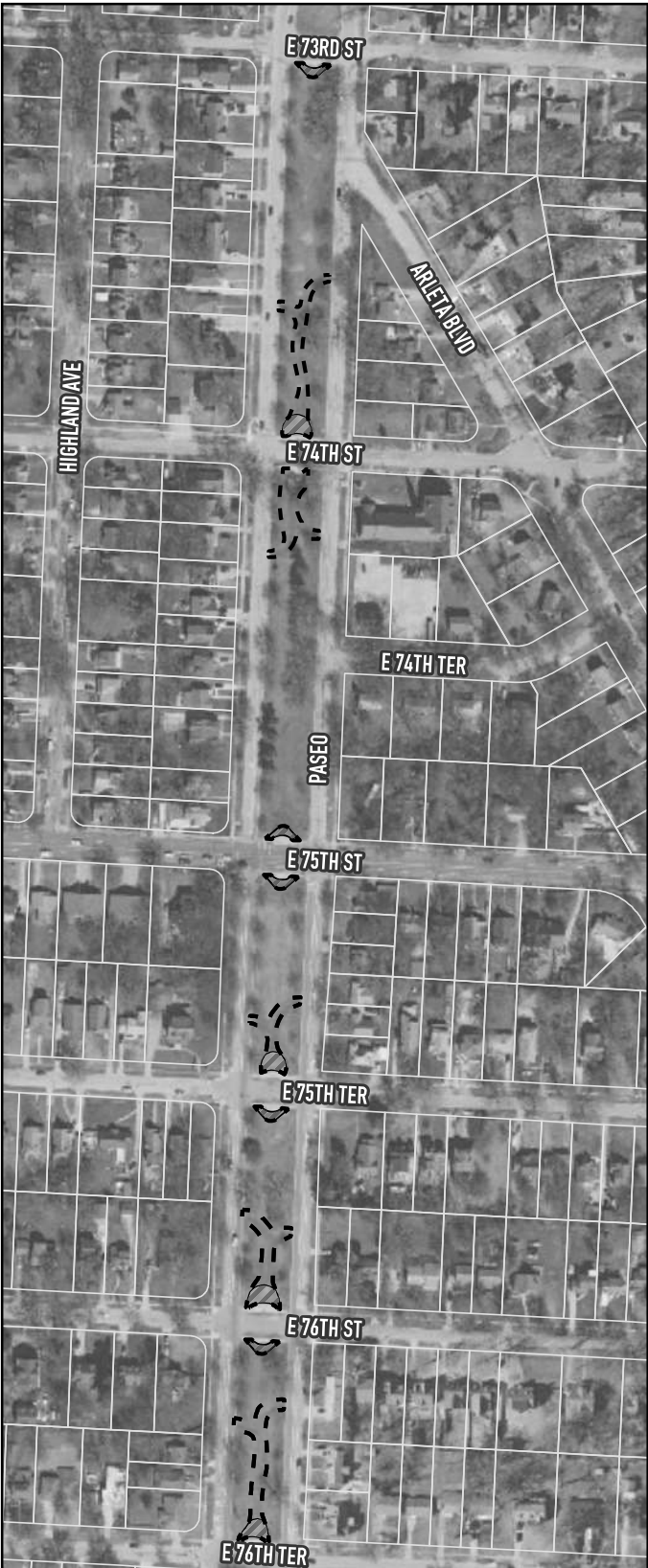
**TARGET GREEN
MARLBOROUGH 81ST
& LYDIA**

- LEGEND**
- GSI Maintenance Extent
 - Bioretention

*No mowing
*No mulch

- GSI COMPONENTS**
- GSI-1 Inlets
 - GSI-2 Energy Dissipation & Pollutant Removal
 - GSI-3 Above Grade Barriers
 - GSI-5 Soil & Aggregate Media
 - GSI-6 Media Liners
 - GSI-7 Landscaping
 - GSI-8 Piping
 - GSI-9 Outlets





**TARGET GREEN
MARLBOROUGH
PASEO MEDIANS**

- LEGEND**
- GSI Maintenance Extent
 - Mulch Area
 - Bioretention
 - Traditional Landscape Bed

*No mowing

GSI COMPONENTS

- GSI-1 Inlets
- GSI-2 Energy Dissipation & Pollutant Removal
- GSI-3 Above Grade Barriers
- GSI-5 Soil & Aggregate Media
- GSI-6 Media Liners
- GSI-7 Landscaping
- GSI-8 Piping
- GSI-9 Outlets





**TARGET GREEN
MARLBOROUGH
PRESIDENT GARDENS**

LEGEND

- GSI Maintenance Extent
- Extended Dry Detention Basin

*No mowing
*No mulch

GSI COMPONENTS

- GSI-1 Inlets
- GSI-2 Energy Dissipation & Pollutant Removal
- GSI-7 Landscaping
- GSI-8 Piping
- GSI-9 Outlets





WABASH TREE PLANTERS

LEGEND

- GSI Maintenance Extent
- Bioretention

*No mowing
*No mulch

GSI COMPONENTS

- GSI-1 Inlets
- GSI-2 Energy Dissipation & Pollutant Removal
- GSI-3 Above Grade Barriers
- GSI-5 Soil & Aggregate Media
- GSI-6 Media Liners
- GSI-7 Landscaping
- GSI-8 Piping
- GSI-9 Outlets

